Contents to Volume 4

Vol. 4, No. 1

Publisher's note v

Decreased plasma superoxide scavenging activity in immunological disorders – carboxyethylgermanium sesquioxide (Ge-132) as a promoter of prednisolone
L. Prónai & S. Arimori 1

The promotive effect of interleukin 4 with interleukin 2 in the proliferation of tumor-infiltrating lymphocytes from patients with malignant tumor
T. Tsunoda, H. Tanimura, H. Yamaue, M. Iwahashi, M. Tani, M. Tamai, K. Arii & K. Noguchi 9

Serodiagnosis of cancers by ELISA of anti-histone H2B antibody
M. Kamei, M. Kato, K. Mochizuki, K. Kuroda, S. Sato, S. Hashizume, K. Yasumoto, H. Murakami & K. Nomoto 17

Spontaneous regression of cancer: new insights
B. A. Stoll 23

Somatostatin and growth hormone regulation in cancer
A. Manni 31

Glucocorticoids in cancer therapy
R. E. Coleman 37

Inhibiting tissue invasion and metastasis as targets for cancer therapy
M. J. Duffy 45

Polyclonal activation of human lymphocytes and induction of cytotoxic lymphocytes by streptococcal preparations
T. Sato, M. Fujii, H. Satoh, T. Itoh, H. Rikiishi & K. Kumagai 53

Asparagine-linked sugar chains of erythrocyte membrane glycoproteins from Wiskott-Aldrich syndrome are not impaired
N. Kondo, F. Motoyoshi & T. Orii 65

In vitro augmentation of cytotoxicity by N-CWS in peritoneal polymorphonuclear leukocytes (PMNs) induced by PSK, OK-432 or N-CWS
H. Kato, Y. Yamamura, M. Inoue, M. Tanigawa, S. Kimura, S. Sugino & M. Kondo 69

Patents in Biotherapy 75

Instructions to authors 77

Announcement 79

Vol. 4, No. 2

Comparative effects of a recombinant and a mutein type of granulocyte colony stimulating factor on the growth of Meth-A fibrosarcoma with 5-fluorouracil chemotherapy
Y. Nio, T. Shiraishi, M. Tsubono, H. Morimoto, C.-C. Tseng, K. Kawabata, Y. Masai, M. Fukumoto & T. Tobe 81

Supernatants derived from CD8+ lymphocytes activated by mycobacterial fractions inhibit cytokine production. The role of interleukin-6
G. Sussman & A. A. Wadee 87

Therapeutic evaluation of interleukin-1 for stimulation of hematopoiesis in primates after autologous bone marrow transplantation
R. L. Monroy, R. R. Skelly, T. A. Davis & T. J. MacVittie 97
The combined effect of lymphokine activated killer cell and radiation therapy on rat brain tumor *in vitro*
K. Nakagawa, N. Omori, K. Hashimoto, T. Yamamoto, T. Tsunoda & T. Nose 109
Immunomodulation by orally administered protein-bound polysaccharide PSK in patients with gastrointestinal cancer
Y. Nio, M. Tsubono, C.-C. Tseng, H. Morimoto, K. Kawabata, Y. Masai, T. Shiraishi, S. Imai, K. Ohgaki & T. Tobe 117
A comparative study on immunosuppressive effects of cyclosporin A and FK 506 on peripheral blood lymphocytes in dogs
K. Takaori, Y. Nio, K. Inoue, T. Tun, M. Fukumoto, T. Hashida, M. Yasuhara, R. Hori & T. Tobe 129
Antitumor effect of RBS (rice bran saccharide) on ENNG-induced carcinogenesis
M. Takeshita, S. Nakamura, F. Makita, S. Ohwada, Y. Miyamoto & Y. Morishit 139
Levels of human serum granulocyte colony-stimulating factor and granulocyte-macrophage colony-stimulating factor under pathological conditions
F. Omori, S. Okamura, K. Shimoda, T. Otsuka, M. Harada & Y. Niho 147
Human blood monocyte activation by *Nocardia rubra* cell wall skeleton for productions of interleukin 1 and tumor necrosis factor-α
N. Inamura, S. Sone, T. Ogawa, M. Nishio & T. Ogura 155
Combination therapy of radiation and Sizofiran (SPG) on the tumor growth and metastasis on squamous-cell carcinoma NR-S1 in syngeneic C3H/He mice
T. Arika, K. Amemiya & K. Nomoto 165
Patents in Biotherapy 171
Instructions to authors 173
Announcement 175

Vol. 4, No. 3

Special Issue: Therapy of Cancer Metastasis
Edited by James E. Talmadge

Editorial: The rational development of biological response modifiers
J. E. Talmadge 177
Treatment of gastrointestinal and renal adenocarcinomas with interferon-alpha
L. M. Meadows, C. Lindley & H. Ozer 179
Strategies for improving antitumor activity utilizing IL-2: preclinical models and analysis of antitumor activity of lymphocytes from patients receiving IL-2
M. R. Albertini, J. A. Hank & P. M. Sondel 189
MTP-PE in liposomes as a biological response modifier in the treatment of cancer: current status
H. Frost 199
Clinical trials of bestatin for leukemia and solid tumors
K. Ota & Y. Uzuka 205
Development of immunotherapeutic strategies for the treatment of malignant neoplasms
J. E. Talmadge 215
Instructions to authors 237

Vol. 4, No. 4

Antigen-specific, MHC-unrestricted T cells
O.J. Finn 239
Endolymphatic delivery of IL2 in patients with melanoma and lymphoma
D.W. Galvani, S. Walton, J.M. Davies, R.R. Owen, R. Carr, J.C. Cawley & R.A. Sells 251
Clinical trials of intrasplenic arterial infusion of interleukin-2 (IS-IL-2) to patients with advanced cancer
K. Okuno, H. Ohnishi, K. Koh, H. Shindo, H. Yoshioka & M. Yasutomi 257
Inhibition of proliferation of retrovirus-immortalized macrophages by LPS and IFN-γ: Possible autocrine down-regulation of cell growth by induction of IL1 and TNF
E. Ayroldi, E. Blasi, L. Varesio & R.H. Wiltrout 267
Effect of a 12 HZ and of a 460 HZ pulsed magnetic field on the weight of AKR mice
A. Bellossi 277
Asparagine-linked sugar chains of plasma membrane glycoproteins from healthy and common variable immunodeficiency B lymphoblastoid cell lines
N. Kondo, F. Motoyoshi & T. Orii 285
Treatment with tumour infiltrating lymphocytes and interleukin-2 in patients with metastatic melanoma: A pilot study
J.W. Baars, J.C.M. Fonk, R.J. Scheper, B.M.E. von Blomberg-van der Flier, H. Bril, P. v.d. Valk, H.M. Pinedo & J. Wagstaff 289
Predictive indicators for the therapeutic effect of OK-432 in patients with chronic active type B hepatitis
K. Nishimura, S. Ishizaka & T. Tsujii 299
Hyperthermia in cancer growth regulation
C. Vernon 307
The M20 IL-1 inhibitor prevents onset of adjuvant arthritis
Vivian Barak, David Peritt, Iancu Flechner, Yoav Sherman, Elimelech Okon, Peter Yanai, Tal Halperin & Abraham J. Trevis 317
List of contributors 325
Instructions to authors 327